

## Agenda

U. S. Geological Survey Earthquake Hazards Program (EHP)

### National Earthquake Prediction Evaluation Council (NEPEC)

14 – 15 November 2011

University of Washington, Seattle, Washington 98195

Room 309 (Nov. 14) and 308 (Nov. 15) Parrington Hall.

#### Monday, 14 November 2011

*Parrington Hall, Room 309*

*Note: Continental breakfast is served at the Watertown Hotel. Coffee will be provided in the meeting room.*

Time	#	Subject	Speaker
8:30	1	Welcome, introductions, new members, FACA review	W. Steele, T. Tullis, M. Blanpied
8:45	2	Discussion – purpose and scope of NEPEC	T. Tullis and others

#### Session 1: Earthquake information and communication with decision-makers

9:00	3	Introduction to the topic	T. Tullis
9:10	4	Key linkages between science and emergency management in Cascadia	C. Weaver
9:30	5	Perspectives from Washington EMD	J. Schelling
9:40	6	Perspectives from California EMA	J. Goltz
9:50	7	Discussion – science information in decision-making	All
10:15		<i>Break</i>	

#### Session 2: Operational earthquake forecasting

10:30	8	Operational earthquake forecasting – coordination and planning	A. Michael
10:45	9	USGS comment following M7.2 Fox Islands eq. of 6/24/11	E. Roeloffs, J. Dewey
11:00	10	Summary and discussion of research publication “Random variability explains apparent global clustering of large earthquakes,” by A. Michael (GRL 38, 2011).	A. Michael
11:15	11	Earthquake early warning developments in the PNW	J. Vidale, J. Goltz
11:30	12	Discussion – operational earthquake forecasting	All
12:00		<i>Lunch</i>	

### Session 3: Lessons learned from recent great earthquakes

- 1:30 13 Panel discussion – Lessons learned from Japan and Chile great earthquakes All  
NEPEC will be joined by earthquake and tsunami scientists for a discussion of lessons learned from recent great earthquakes and implications for hazards in Cascadia. Guests will include Brian Atwater (USGS), Joanne Bourgeois (UW) and Yong Wei (NOAA).
- 3:30 14 Evaluating Cascadia turbidite data for the National Seismic Hazard Maps A. Frankel
- 3:45 *Break*

### Session 4: Brief reports

- 4:00 15 UCERF3 status report W. Ellsworth and others
- 4:15 16 Summary and discussion of research publication R. Burgmann  
“Ionospheric electron enhancement preceding the 2011 Tohoku-Oki earthquake,” by Konsuke Heki (GRL 38, 2011)
- 4:30 17 Report from SCEC-NASA workshop D. Jackson, T. Tullis, J. Vidale, M. Blanpied
- 5:00 *Adjourn*

## Tuesday, 15 November 2011

*Parrington Hall, Room 308*

- 8:30 18 Arrival and discussion – follow-ups from previous day

### Session 5: Induced seismicity

- 8:45 19 Recent developments in study of induced seismicity W. Ellsworth, E. Roeloffs
- 9:15 20 Field visit to vicinity of Oklahoma earthquake sequence B. Sherrod
- 9:45 21 Discussion – induced seismicity, USGS and NEPEC roles All
- 10:00 *Break*

### Session 6: Earthquake studies in the Pacific Northwest

- 10:15 22 Status of seismic and geodetic monitoring in the PNW J. Vidale, T. Melbourne
- 10:45 23 Recent developments in study of episodic tremor and slow slip J. Gomberg
- 11:15 24 Fault investigations in Washington State B. Sherrod
- 11:45 25 Closing discussion – review action items, plan next meeting All
- 12:00 *Adjourn*

**Attending:****NEPEC:**

Terry Tullis, Brown University (Chair)  
John Filson, USGS, Reston (Co-chair)  
Ramon Arrowsmith, Arizona State University  
Nicholas Beeler, USGS, Menlo Park  
Roland Burgmann, University of California, Berkeley  
William Ellsworth, USGS, Menlo Park  
David Jackson, University of California, Los Angeles  
Andrew Michael, USGS, Menlo Park (by phone)  
Evelyn Roeloffs, USGS, Vancouver, WA  
Allan Rubin, Princeton University (by phone)  
Bruce Shaw, Columbia University  
John Vidale, University of Washington

Michael Blanpied (NEPEC Executive Secretary)

**USGS Staff, Seattle office:**

Brian Atwater  
Arthur Frankel  
Joan Gomberg  
Brian Sherrod  
Craig Weaver

**Confirmed guests:**

Joanne Bourgeois, University of Washington  
James Goltz, CalEMA (by phone)  
Tim Melbourne, Central Washington University  
John Schelling, WA EMD  
Yong Wei, NOAA

**Meeting Hosts:**

William Steele, University of Washington  
Joyce Costello, USGS, Reston (will not attend)